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L1 2300 S CHEMOKINE AND (INHIBIT? OR ANTAGONI? OR BLOCK)  
L2 846 S L1 AND (RANTES OR MCP?)  
L3 23 S L2 AND TRUNCAT?  
L4 2 S L3 AND PY>1999  
L5 8 S L3 AND PY=1998  
L6 8 S L3 AND PY<1998  
L7 7 S L3 AND PY>1998  
L8 0 S EMBASE, BIOSIS, CAPLUS  
L9 0 F EMBASE, BIOSIS, CAPLUS

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L11 23 S L6  
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(RANTES or MCP\$) same (inhibit\$ or antagoni\$ or block) and (RANTES or MCP\$).clm.

79

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USPT,PGPB	(RANTES or MCP\$) same (inhibit\$ or antagonist\$ or block)	966	<u>L3</u>
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NEW

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 The LD78beta isoform of MIP-1alpha is the most potent CC-chemokine in inhibiting CCR5-dependent human immunodeficiency virus type 1 replication in human macrophages. *J Virol.* 2001 May;75(9):4402-6.  
 PMID: 11287590 [PubMed - indexed for MEDLINE]

2: [Blaszczyk J, Coillie EV, Proost P, Damme JV, Opdenakker G, Bujacz GD, Wang JM, Ji X.](#) [Related Articles](#), [Protein](#), [S](#)  
 Complete crystal structure of monocyte chemotactic protein-2, a CC chemokine that is involved in the interaction with multiple receptors. *Biochemistry.* 2000 Nov 21;39(46):14075-81.  
 PMID: 11087354 [PubMed - indexed for MEDLINE]

3: [Van den Steen PE, Proost P, Wuyts A, Van Damme J, Opdenakker G.](#) [Relate](#)  
 Neutrophil gelatinase B potentiates interleukin-8 tenfold by aminoterminal processing, it degrades CTAP-III, PF-4, and GRO-alpha and leaves RANTES and MCP-2 intact. *Blood.* 2000 Oct 15;96(8):2673-81.  
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4: [Proost P, Menten P, Struyf S, Schutyser E, De Meester I, Van Damme J.](#) [Relate](#)  
 Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78beta into a more efficient monocyte attractant and CCR1 agonist. *Blood.* 2000 Sep 1;96(5):1674-80.  
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5: [De Meester I, Durinx C, Bal G, Proost P, Struyf S, Goossens F, Augustyns K, Scharpe S.](#) [Relate](#)  
 Natural substrates of dipeptidyl peptidase IV. *Adv Exp Med Biol.* 2000;477:67-87. Review. No abstract available.  
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6: [Van Damme J, Struyf S, Wuyts A, Van Coillie E, Menten P, Schols D, Sozzani S, De Meester I, Proost P.](#) [Relate](#)  
 The role of CD26/DPP IV in chemokine processing. *Chem Immunol.* 1999;72:42-56. Review. No abstract available.  
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7: [Menten P, Struyf S, Schutyser E, Wuyts A, De Clercq E, Schols D, Proost P, Van Damme J.](#) [Relate](#)  
 The LD78beta isoform of MIP-1alpha is the most potent CCR5 agonist and HIV-1-inhibiting chemokine. *J Clin Invest.* 1999 Aug;104(4):R1-5.  
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8: Struyf S, Proost P, Schols D, De Clercq E, Opdenakker G, Lenaerts JP, Dethieux M, Parmentier M, De Meester I, Scharpe S, Van Damme J. Relate  
CD26/dipeptidyl-peptidase IV down-regulates the eosinophil chemotactic potency, but anti-HIV activity of human eotaxin by affecting its interaction with CC chemokine receptor 4. *J Immunol.* 1999 Apr 15;162(8):4903-9.  
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9: Wuyts A, Govaerts C, Struyf S, Lenaerts JP, Put W, Conings R, Proost P, Van Damme J. Relate  
Isolation of the CXC chemokines ENA-78, GRO alpha and GRO gamma from tumor cell leukocytes reveals NH2-terminal heterogeneity. Functional comparison of different natural isoforms. *Eur J Biochem.* 1999 Mar;260(2):421-9.  
PMID: 10095777 [PubMed - indexed for MEDLINE]

10: Proost P, Struyf S, Schols D, Opdenakker G, Sozzani S, Allavena P, Mantovani A, Augustyns K, Relate Bal G, Haemers A, Lambeir AM, Scharpe S, Van Damme J, De Meester I.  
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PMID: 9933589 [PubMed - indexed for MEDLINE]

11: Schols D, Proost P, Struyf S, Wuyts A, De Meester I, Scharpe S, Van Damme J, De Clercq E. Relate  
CD26-processed RANTES(3-68), but not intact RANTES, has potent anti-HIV-1 activity. *Antiviral Res.* 1998 Oct;39(3):175-87.  
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12: Struyf S, Proost P, Sozzani S, Mantovani A, Wuyts A, De Clercq E, Schols D, Van Damme J. Relate  
Enhanced anti-HIV-1 activity and altered chemotactic potency of NH2-terminally processed macrophage-derived chemokine (MDC) imply an additional MDC receptor. *J Immunol.* 1998 Sep 15;161(6):2672-5.  
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13: Van Coillie E, Proost P, Van Aelst I, Struyf S, Polfliet M, De Meester I. Related Articles, Protein, Nucleic Acid, Harvey DJ, Van Damme J, Opdenakker G.  
Functional comparison of two human monocyte chemotactic protein-2 isoforms, role of amino-terminal pyroglutamic acid and processing by CD26/dipeptidyl peptidase IV. *Biochemistry.* 1998 Sep 8;37(36):12672-80.  
PMID: 9730840 [PubMed - indexed for MEDLINE]

14: Proost P, Struyf S, Schols D, Durinx C, Wuyts A, Lenaerts JP, De Clercq E, De Meester I, Van Damme J. Relate  
Processing by CD26/dipeptidyl-peptidase IV reduces the chemotactic and anti-HIV-1 activity of stromal-cell-derived factor-1alpha. *FEBS Lett.* 1998 Jul 31;432(1-2):73-6.  
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15: Struyf S, De Meester I, Scharpe S, Lenaerts JP, Menten P, Wang JM, Proost P, Van Damme J. Relate  
Natural truncation of RANTES abolishes signaling through the CC chemokine receptor and CCR3, impairs its chemotactic potency and generates a CC chemokine inhibitor. *Eur J Immunol.* 1998 Apr;28(4):1262-71.  
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Amino-terminal truncation of chemokines by CD26/dipeptidyl-peptidase IV. Conversion of RANTES into a potent inhibitor of monocyte chemotaxis and HIV-1-infection.  
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18: [Proost P, Wuyts A, Conings R, Lenaerts JP, Put W, Van Damme J.](#) Relate  
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19: [Proost P, Wuyts A, van Damme J.](#) Relate  
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Int J Clin Lab Res. 1996;26(4):211-23. Review.  
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Chemokines as targets for pharmacological intervention.  
Prog Drug Res. 1996;47:53-80. Review. No abstract available.  
PMID: 8961764 [PubMed - indexed for MEDLINE]

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**NEW**  21: [Proost P, Wuyts A, Van Damme J.](#)  Human monocyte chemotactic proteins-2 and -3: structural and functional comparison MCP-1. *J Leukoc Biol.* 1996 Jan;59(1):67-74. Review. PMID: 8558070 [PubMed - indexed for MEDLINE]

22: [Masure S, Paemen L, Proost P, Van Damme J, Opdenakker G.](#)  Expression of a human mutant monocyte chemotactic protein 3 in *Pichia pastoris* and characterization as an MCP-3 receptor antagonist. *J Interferon Cytokine Res.* 1995 Nov;15(11):955-63. PMID: 8590307 [PubMed - indexed for MEDLINE]

23: [Proost P, Van Leuven P, Wuyts A, Ebberink R, Opdenakker G, Van Damme J.](#)  Chemical synthesis, purification and folding of the human monocyte chemotactic protein MCP-2 and MCP-3 into biologically active chemokines. *Cytokine.* 1995 Feb;7(2):97-104. PMID: 7780043 [PubMed - indexed for MEDLINE]

24: [Bertini R, Luini W, Sozzani S, Bottazzi B, Ruggiero P, Boraschi D, Saggioro D, Chieco-Bianchi L, Proost P, van Damme J, et al.](#)  Identification of MIP-1 alpha/LD78 as a monocyte chemoattractant released by the HTLV-I-transformed cell line MT4. *AIDS Res Hum Retroviruses.* 1995 Jan;11(1):155-60. PMID: 7537510 [PubMed - indexed for MEDLINE]

25: [Van Damme J, Proost P, Put W, Arens S, Lenaerts JP, Conings R, Opdenakker G, Heremans H, Billiau A.](#)  Induction of monocyte chemotactic proteins MCP-1 and MCP-2 in human fibroblasts and leukocytes by cytokines and cytokine inducers. Chemical synthesis of MCP-2 and development of a specific RIA. *J Immunol.* 1994 Jun 1;152(11):5495-502. PMID: 8189067 [PubMed - indexed for MEDLINE]

26: [Van Damme J, Proost P, Lenaerts JP, Conings R, Opdenakker G, Billiau A.](#)  Monocyte chemotactic proteins related to human MCP-1. *Adv Exp Med Biol.* 1993;351:111-8. Review. No abstract available. PMID: 7942290 [PubMed - indexed for MEDLINE]

27: [Van Damme J, Proost P, Lenaerts JP, Opdenakker G.](#)  Structural and functional identification of two human, tumor-derived monocyte chemotactic proteins (MCP-2 and MCP-3) belonging to the chemokine family.

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